

**Subject:** Minutes: DSS-13 Weekly Meeting 12-09-09

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## Minutes: DSS-13 Weekly Meeting on 12-09-09

### DSS-13 Science/Engineering Activities:

**GSSR:** On DOY 336, originally had GSSR asteroid track but it got cancelled because there was a problem at Brazil station. However we tracked the asteroid, not officially, and saw returns of CHIRP output. This gave us confidence of our system operability.

**Power outage and Auto-restart Capability:** There was a brief power outage at the station on Friday, 12-4-09, before 8 a.m. There was a problem with the XKR maser because there is no auto restart capability for the newly installed maser compressor. Paul Dendrenos and Larry Schrader agree to install this capability using existing spare parts.

**Antenna Characterization:** There was a problem with X- band and Ka-band data measured on Wk 48. The test was performed again on DOY 338. Art Freiley is working on this new data.

**Pointing Models:** We are working on a new plan on implementing DSN ACME to DSS-13. It is not certain when ACME will be operational at DSS-13. For the ongoing new pointing model work, we will not wait for ACME tool but will use DSS-13 existing tool to collect data to be used for generating the pointing model.

**DSS-13 Power and UPS protection:** There was a discussion between Gary and C. Lowry on the plan to work on swapping electrical power loads from the current UPS to the new UPS. There is no confirmed date set for this work. Second request was sent to C. Lowry this week.

**M5 Position Controller:** There is a concern that our existing M5 position controller is very old and could breakdown at any time. This is a single point failure of DSS-13 operations and the Complex does not have a spare for this hardware. We are looking for a vender that has this unit. It costs about \$2K.

**Report on Helium Supply Pressures:** We plan to report in every weekly minutes the helium supply pressures. For this week, they (total 5 units) are in normal operating ranges which are about 260 psi.

## Watt

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